| T 1887 ON 11811 BROWN BROWN BROWN BURNE VIOLEN VIOLEN VIOLEN VIOLEN |            |          |                |              |          |          |           |                |              |            |          | 10/604,219 |          |          |   |          |  |              |              |     |          | MAMAK ET AL. |          |          |                 |            |                 |          |          |           |          |              |  |                 |                 |   |
|---|------------|----------|----------------|--------------|----------|----------|-----------|----------------|--------------|------------|----------|------------|----------|----------|---|----------|--|--------------|--------------|-----|----------|--------------|----------|----------|-----------------|------------|-----------------|----------|----------|-----------|----------|--------------|--|-----------------|-----------------|---|
|   |            |          |                |              |          |          |           |                |              |            | Examiner |            |          |          |   |          |  |              |              |     | Art Unit |              |          |          |                 |            |                 |          |          |           |          |              |  |                 |                 |   |
|   | 1 1181     |          |                | 11131        | ! !!!    |          |           |                | 1 11         |            |          |            | !<br>    |          |   |          | Τ  | an           | H            | Но  |          |              |          |          |                 |            |                 | 2821     |          |           |          |              |  |                 |                 |   |
|   | √ Rejected |          |                |              |          |          |           | (Through numer |              |            |          |            |          | ral)     |   |          | N Non-   |              |              | -EI | lected   |              |          | A        | Appeal          |            |                 |          |          |           |          |              |  |                 |                 |   |
|   | Allowed    |          |                |              |          |          | ÷         |                |              | Restricted |          |            |          |          |   |          | ı  | Ir           | Interference |     |          |              | 0        | Objected |                 |            |                 |          |          |           |          |              |  |                 |                 |   |
| Claim   | Γ.         |          | Date           |              |          |          |           |                |              |            |          | Claim      |          |          |   |          | Date   | е            |              |     |          |              | Claim    | aim      | 1               | Date       |                 |          |          |           |          | 1            |  |                 |                 |   |
|   | 0          |          |                |              |          |          |           |                |              |            |          |            |          | T        |   |          |  |              |              |     |          |              |          |          |                 |            |                 |          |          |           |          |              | Γ  |                 |                 |   |
| Final<br>Original   | 102/4      |          |                |              |          |          |           |                |              |            |          |            | Final    | Original |   |          |  |              |              |     |          |              |          |          | Final           | Original   |                 |          |          |           | :        |              |  |                 |                 |   |
| 1 2   | <u>۷</u>   | L        | -              | +            |          |          | -         | +              | $\dashv$     |            | _        |            |          | 51<br>52 |   |          |  |              |              |     |          |              |          |          |                 | 101<br>102 |                 |          |          |           |          | _            | $\vdash$   |                 |                 |   |
| 3   | υ          |          | 士              | $\pm$        |          |          |           | $\perp$        | $\exists$    |            |          |            |          | 53       |   |          |  |              |              |     |          |              |          |          |                 | 103        |                 |          |          |           |          |              | L  |                 |                 |   |
| 4   | V          | L        | $\perp$        | Ţ            |          |          | $\perp$   | 1              | $\dashv$     | _          |          |            |          | 54       |   | L        | L  | Ľ            |              |     |          |              |          |          |                 | 104        |                 |          |          |           |          |              | $oxed{\Box}$                                     |                 |                 |   |
| 5<br>6  | 0          | ┝        | +              | +            |          | ┝        | ╁         | +              | +            | $\dashv$   |          |            |          | 55<br>56 | + | ╁        | ╁╌   | <del> </del> | _            | H   |          |              |          |          |                 | 105<br>106 | Н               |          | $\dashv$ | _         | _        |              | +  | $\vdash$        | Н               | 1 |
| 7   | 0          |          | Ī              | 1            |          |          | L         |                |              |            |          |            |          | 57       |   |          |  |              |              |     |          |              |          |          |                 | 107        |                 |          |          |           |          |              | 上  |                 |                 |   |
| 8   | V          | ŀ        | ╄              | +            |          | -        | -         | +              | +            | $\dashv$   |          |            |          | 58<br>59 | + | ╀        | $\vdash$   | -            |              | L   |          |              | Ш        |          | <u> </u>        | 108<br>109 | -               | _        | $\dashv$ | _         |          |              | ╀  | $\vdash$        |                 | ĺ |
|   | <i>-</i>   | H        | ╁              | +            |          | ┝        | ╁         | +              | +            | $\dashv$   |          |            |          | 60       |   | ╁        |  | ┢            | -            |     |          |              | Н        |          | $\vdash$        | 110        | $\vdash$        |          |          | _         | -        | -            | +  | $\vdash$        | Н               |   |
| 11  | ~          |          |                | 1            |          |          | I         |                | 1            |            |          |            |          | 61       |   |          |  |              |              |     |          |              |          |          |                 | 111        |                 |          |          |           |          | _            |  |                 |                 |   |
|   | 0          | H        | +              | +            |          | -        | +         | +              | +            | _          |          |            | ļ        | 62<br>63 |   | ╀        | -  |              | _            | _   |          |              | Щ        |          | ļ               | 112<br>113 | $\square$       |          |          |           | <u> </u> |              | ┼  | $\vdash$        |                 |   |
| 14  | ~          |          | ╁              | $\dagger$    |          | ├─       | +         | +              | $\dashv$     |            |          |            |          | 64       |   | ╁        | ┢  | ┢            | _            |     |          |              | Н        |          | -               | 114        | Н               |          |          |           | -        | -            | ╁  | Н               | Н               |   |
| 15  |            |          |                | 1            |          |          |           |                |              |            |          |            |          | 65       |   |          |  |              |              |     |          |              |          |          |                 | 115        |                 |          |          |           |          |              |  |                 |                 | 1 |
| 16<br>17  | 00         | L        | +              | +            |          |          | ╀         | +              | +            |            |          |            | -        | 66<br>67 | ╀ | <u> </u> | ┞  | _            |              |     |          | _            |          |          | <u> </u>        | 116<br>117 | $\vdash$        | _        | _        | _         | _        | _            | ┼  | $\sqcup$        | L               | ĺ |
| 18  | 0          | H        | +              | $\dagger$    | _        | ┝        | +         | +              | +            | _          |          | ĺ          |          | 68       |   | +-       | ┢  | ╫            | <u> </u>     |     |          |              |          |          | $\vdash$        | 118        | Н               |          |          |           |          |              | $\vdash$   | $\vdash$        | -               |   |
| 19  | 0          |          | I              | 1            |          |          | Γ         | 1              |              |            |          |            |          | 69       |   |          |  |              |              |     |          |              |          |          |                 | 119        |                 |          |          |           |          |              |  |                 |                 |   |
| 20<br>21  | レレ         | H        | +              | +            | _        | ┞        | ╀         | +              | +            |            |          |            | -        | 70<br>71 |   | ╀        | -  | ├            | -            |     |          |              | H        |          |                 | 120<br>121 |                 | _        | _        | -         | _        | -            | $\vdash$   | $\vdash \vdash$ |                 |   |
| 22  | v          |          | $\dagger$      | †            |          | H        | ╁         | +              | $\dashv$     |            |          |            |          | 72       |   | t        | ╁╴   | ╁╴           | -            |     |          |              | Н        |          | -               | 122        | Н               |          | $\neg$   |           |          |              | 十  | $\vdash$        | Н               |   |
| 23  | V          |          | Ţ              | Ţ            |          |          | L         | 1              |              |            |          |            |          | 73       |   |          |  |              |              |     |          |              |          |          |                 | 123        |                 |          |          |           |          |              | 匚  |                 |                 |   |
| 24<br>25  | 9          | H        | +              | +            | _        | ├        | ╀         | +              | $\dashv$     | _          |          |            | -        | 74<br>75 |   | ╀        | ┝  | ┝            | _            | _   |          |              |          |          | ļ               | 124<br>125 | Н               |          | $\dashv$ | _         | _        |              | ┼  | $\dashv$        | _               |   |
| 26  |            | H        | $\dagger$      | $\dagger$    | _        | ┝        | $\dagger$ | $\dagger$      | -            |            |          | ĺ          | -        | 76       |   | t        | H  | $\vdash$     | -            |     |          |              | Н        |          | _               | 126        | Н               |          | $\dashv$ | _         | _        |              | +  | $\forall$       | Н               |   |
| 27  |            |          | Ţ              | 1            |          |          | L         | T              | $\Box$       |            |          | 1          |          | 77       | I |          |  |              |              |     |          |              |          |          |                 | 127        |                 |          |          |           |          |              | $\Box$   |                 |                 |   |
| 28<br>29  | -          | ┝        | +              | +            | _        | $\vdash$ | ╁         | +              | +            |            | -        |            | -        | 78<br>79 |   | ╀        | ├  | ├            | _            | -   |          |              | $\dashv$ |          |                 | 128<br>129 | $\vdash$        | _        | $\dashv$ |           |          | H            | ┼  | $\vdash\vdash$  |                 |   |
| 30  |            |          | $^{+}$         | $\dagger$    |          |          | †         | +              | $\dagger$    |            |          |            |          | 80       | Т | T        | <del>                                     </del> |              |              |     |          |              |          |          |                 | 130        | $\vdash$        | _        |          | _         |          |              | $\vdash$   | H               |                 |   |
| 31  | _          | L        |                | $\downarrow$ |          | _        |           | 1              | 4            |            |          |            |          | 81       |   |          | ļ  |              |              |     |          |              |          |          |                 | 131        |                 |          |          |           |          |              | $oxed{\bot}$                                     |                 |                 |   |
| 32<br>33  | -          | ┞        | +              | +            |          |          | ╀         | ╁              | $\dashv$     | $\dashv$   |          |            |          | 82<br>83 | ╀ | ╁        | ├  | ┝            | ┝            | -   |          | $\dashv$     | $\dashv$ |          |                 | 132<br>133 | Н               |          |          |           | _        |              | +-   | ╂╌┤             | Н               |   |
| 34  |            |          | İ              | $^{\dagger}$ |          |          | T         |                |              |            |          |            |          | 84       | Τ | $\perp$  |  |              |              |     |          |              |          |          |                 | 134        | H               | _        |          | _         |          |              | $\dagger$  | $\vdash$        |                 |   |
| 35  |            |          | $\perp$        | 1            |          |          | L         | Ţ              | 4            |            |          |            |          | 85       |   |          |  |              |              |     |          |              |          |          |                 | 135        |                 |          |          |           |          |              | $\sqsubseteq$                                    |                 |                 |   |
| 36<br>37  | _          | H        | ╁              | +            | -        | $\vdash$ | ╁         | +              | +            | $\dashv$   |          |            |          | 86<br>87 | + | ╁        | ├  | ⊢            | _            |     |          | -            | $\dashv$ |          |                 | 136<br>137 | -               | -        | $\dashv$ |           | -        | -            | ╄  | ┦               |                 |   |
| 38  |            |          | ╁              | İ            |          |          | T         | $\dagger$      | $\top$       | $\exists$  |          |            |          | 88       | Т |          | $\vdash$   | ┢            | H            |     |          | $\dashv$     | -        |          |                 | 138        | $\vdash$        |          | $\dashv$ | _         |          | -            | +  | $\vdash$        | Н               |   |
| 39  |            |          |                | $\downarrow$ | -        |          | L         | 1              | $\downarrow$ | $\Box$     |          |            |          | 89       |   |          |  |              |              |     |          |              | $\Box$   |          |                 | 139        |                 |          |          |           |          |              | $\sqsubseteq$                                    |                 |                 |   |
| 40  | -          | $\vdash$ | +              | +            | _        | <u> </u> | ╁.        | +              | +            |            |          |            |          | 90<br>91 | + | -        | -  | -            | $\vdash$     |     | $\vdash$ |              | Н        |          | <u> </u>        | 140<br>141 | $\vdash$        |          |          | -         | -        | -            | +-   | $\vdash$        | H               |   |
| 42  |            | L        | $\pm$          | $\pm$        |          |          | İ         | $\pm$          | _            |            |          |            |          | 92       |   | L        |  |              |              |     |          |              | $\Box$   |          |                 | 142        |                 |          |          |           |          | -            | +  | $\vdash$        | H               |   |
| 43  | oxdot      |          | $oxed{\Gamma}$ | Ţ            |          |          | Г         | Ţ              | Ţ            |            |          |            |          | 93       |   |          |  |              |              |     |          |              |          |          |                 | 143        | П               |          |          |           |          |              | E  |                 |                 |   |
| 44<br>45  | Н          | $\vdash$ | +              | +            | $\dashv$ |          | $\vdash$  | +              | $\dashv$     |            |          |            |          | 94<br>95 | + | +-       | -  |              | $\vdash$     | Н   | -        | -            | $\dashv$ |          | $\vdash$        | 144<br>145 | $\vdash \vdash$ | $\dashv$ |          |           | -        | ├            | $\vdash$   | $\vdash \mid$   | Н               |   |
| 46  |            |          |                | 1            |          |          |           | #              | 1            |            |          |            |          | 96       |   |          |  |              |              |     |          |              |          |          |                 | 146        |                 | _        |          | $\exists$ |          |              | $\vdash$   | $\vdash$        | $\vdash \vdash$ |   |
| 47  | Щ          | Ĺ        | $\bot$         | Ţ            | $\Box$   |          |           | 1              | 1            | $\Box$     | _        |            |          | 97       |   |          |  |              |              |     |          | $\Box$       |          |          |                 | 147        |                 |          |          |           |          | L.           | $oxed{\Box}$                                     |                 |                 |   |
| 48<br>49  | $\vdash$   | H        | +              | +            | $\dashv$ | -        | $\vdash$  | +              | +            | $\dashv$   | _        |            | $\vdash$ | 98<br>99 | + | ╀        | $\vdash$   |              | _            | Ш   | -        | $\dashv$     | $\dashv$ |          | $\vdash \vdash$ | 148<br>149 | dash            | -        |          | -         | <u> </u> | <u> </u>     | -  | $\vdash$        | Н               |   |
| 50  |            | Т        | $\top$         | $\dagger$    | $\dashv$ | -        | $\vdash$  | +              | +            | -          |          |            | <b> </b> | 100      | + | +-       | H  | $\vdash$     |              | Н   |          | $\dashv$     | $\dashv$ |          |                 | 150        | $\vdash \vdash$ | $\dashv$ | -        | -         | -        | <del> </del> | <del>                                     </del> | $\vdash$        | $\dashv$        |   |

Application No.

**Index of Claims** 

Applicant(s)